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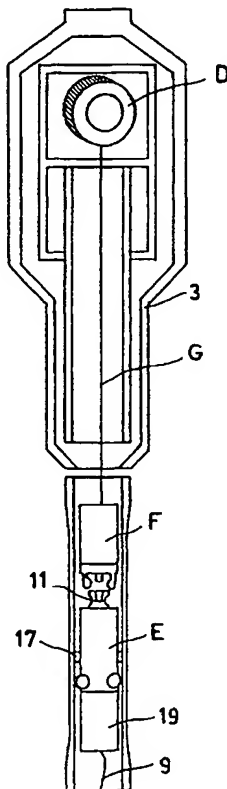
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(54) Title: TELEMETRY SYSTEM FOR THE BI-DIRECTIONAL COMMUNICATION OF DATA BETWEEN A WELL POINT AND A TERMINAL UNIT SITUATED ON THE SURFACE



(57) Abstract: Telemetry system for the bi-directional communication of data between a well point and a terminal unit situated on the surface, which can be used inside drilling or production strings, comprising: data transmission and optional reception devices; an active vehicle (8), which can be equipped with various automation levels, ranging from purely tele-operated to completely autonomous, for unwinding and pulling a connection line, capable of moving inside the drilling or production string, or a passive vehicle (E), moved by means of a deploying cable (G) and a suitable winding/unwinding device (D), in particular a winch; a connection line (9), containing electric conductors and/or one or more optical fibres, of the transmission and optional reception devices between a well point and its corresponding point situated inside the vehicle or on the surface.

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